

DOW CORNING

September 22, 2000

The Performance Track Information Center
C/O Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

Re: Environmental Protection Agency Performance Track Application

To Whom It May Concern:

Please find enclosed the Dow Corning Carrollton self-nomination for the EPA Performance Track.

This self-nomination is being submitted in recognition of the extraordinary measures taken at the Dow Corning Carrollton Site to develop an environmental program focused on employee and community involvement and continuous improvement.

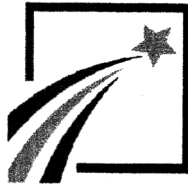
Should you have any questions regarding this submittal, please contact me at (502) 732-2524.

Sincerely,



Charles D. Dennis
Environmental Services Manager

Enclosures



A04 - 0015

***National
Environmental
Achievement Track***

Application Form

Dow Corning Corporation Carrollton Site

Name of facility

Dow Chemical Company and Corning Incorporated

Name of parent company (if any)

4770 US Highway 42

Street address

PO Box 310

Street address (continued)

Carrollton, KY 41008-0310

City/State/Zip code

Give us information about your contact person for the
National Environmental Achievement Track Program.

Name Charles D Dennis

Title Environmental Services Manager

Phone (502) 732-2524

Fax (502) 732-2087

E-mail charlie.dennis@dowcorning.com

Why do we need this information?

EPA needs background information on your facility to evaluate your application.

What do you need to do?

- Provide background information on your facility.
- Identify your environmental requirements.



1 What do you do or make at your facility?

The Carrollton, KY site manufactures polydimethyl siloxanes, chlorosilanes, and methyl chloride in a series of batch and continuous processing steps.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC
2869

NAICS
325188 48849 49319

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes ☒ No

4 How many employees (full-time equivalents) currently work at your facility?

- ☐ Fewer than 50
☐ 50-99
☐ 100-499
☒ 500-1,000
☐ More than 1,000

Section A, continued

5 Does your facility have an EPA ID number(s)?

☒ Yes

☐ No

If yes, list in the right-hand column.

KYD042943985

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right **or** enclose a completed Checklist with your application.

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

Dow Corning is a member of the American Chemistry Council (formerly CMA) and it subscribes to the guiding principles set forth in the Responsible Care Initiative. The Carrollton site is also a Voluntary Protection Partnership (VPP) Star Site.

Why do we need this information?

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

What do you need to do?

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

Section B

Tell us about your EMS.

1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

a. Environmental policy ☒ Yes

b. Planning ☒ Yes

c. Implementation and operation ☒ Yes

d. Checking and corrective action ☒ Yes

e. Management review ☒ Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☒ Self-assessment

☐ GEMI

☒ Other

☐ CEMP Internal Environmental, Health, and Safety Audit

☒ Third-party assessment

☐ ISO 14001 Certification

☒ Other EPA Chemical Safety Audit and a Management Systems Verification (MSV) Audit

Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

Section C

Tell us about your past achievements and future commitments.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Emissions of Toxics	19435	Pounds	3170	Pounds
<p>i. How is the current level an improvement over the previous level?</p> <p>The current level is an improvement because fence line concentrations are reduced.</p>				
<p>ii. How did you achieve this improvement?</p> <p>This improvement was achieved by a reduction of Methyl Chloride releases and source reduction of maintenance emissions through improved process maintenance procedures.</p>				

Second aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Discharges of Chloride ions to Water	Quantity 673	Units mg/L	Quantity 566	Units mg/L
<p>i. How is the current level an improvement over the previous level?</p> <p>The current level is a reduction in Total Dissolved Solids (TDS) loading on receiving streams.</p>				
<p>ii. How did you achieve this improvement?</p> <p>This improvement was achieved through increased process reliability.</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

Note to small facilities: If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

First aspect you've selected

- a. What is the aspect? Hazardous Solid Waste
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A: Absolute value 1200/tons (Quantity/Units)
- ☐ Option B: In terms of units of production or output (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

- ☒ Option A:
Absolute value 125/tons
(Quantity/Units)
- ☐ Option B:
In terms of
units of production (Quantity/Units)
or output

e. How will you achieve this improvement?

This improvement will be achieved by diverting waste from offsite incineration to an onsite treatment with beneficial recovery of useable components.

Second aspect you've selected

a. What is the aspect?

Emissions of Toxics

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

- ☒ Option A:
Absolute value 104588/lbs.
(Quantity/Units)
- ☐ Option B:
In terms of
units of production (Quantity/Units)
or output

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

- ☒ Option A:
Absolute value 65000/lbs.
(Quantity/Units)
- ☐ Option B:
In terms of
units of production (Quantity/Units)
or output

e. How will you achieve this improvement?

This improvement will be achieved by HCI testing, a thermal oxidizer upgrade, spills reduction, and improvements in process operation.

Third aspect you've selected

- a. What is the aspect? Toxic (Copper in Filtercake) Releases to Land
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A: Absolute value 10796/lbs. (Quantity/Units)
- ☐ Option B: In terms of units of production or output (Quantity/Units)
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A: Absolute value 1100/lbs. (Quantity/Units)
- ☐ Option B: In terms of units of production or output (Quantity/Units)
- e. How will you achieve this improvement? This improvement will be achieved by diverting 90% of the Wastewater Treatment Plant filtercake from an onsite landfill to an offsite beneficial reuse.

Fourth aspect you've selected

- a. What is the aspect? Discharges of Toxics to Water
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A: Absolute value 10150/tons (Quantity/Units)
- ☐ Option B: In terms of units of production or output (Quantity/Units)
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A: Absolute value 5810/tons (Quantity/Units)
- ☐ Option B: In terms of units of production or output (Quantity/Units)

e. How will you achieve this improvement?

This improvement will be achieved by recycling waste streams, increased efficiency, and minimizing waste through source reduction.

Why do we need this information?

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

Section D

Tell us about your public outreach and reporting.

What do you need to do?

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

Community Advisory Panel

Compass - Community Newsletter

Interaction with Community Groups as needed

Open House and Good Neighbor Night activities

2 How do you inform community members of important matters that affect them?

Open House and Good Neighbor Night activities

Compass - Community Newsletter

Emergency Notification System

Community Advisory Panel

3 How will you make the Achievement Track Annual Performance Report available to the public?

☒ Website www.dowcorning.com

☐ Newspaper

☒ Open Houses

☒ Other

Community Advisory Panel

4 Are there any ongoing citizen suits against your facility? ☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	Organization	Name	Phone number
<i>Representative of a Community/Citizen Group</i>	Community Advisory Panel	Jim Smith	(502) 347-9470
<i>State/Local Regulator</i>	Natural Resources and Environmental Protection Cabinet, Department for Environmental Protection, Division for Air Quality	Miley Twyman	(859) 292-6411
<i>Other community/local reference</i>	Kentucky National Resources Environmental Protection Cabinet, Internal Policy Analyst	Kevin Flowers	(502) 654-3410

Section E

Application and Participation Statement

On behalf of Carrollton, KY Site of Dow Corning
[my facility],

I certify that

I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;

I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;

My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;

My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;

Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date

John F. Lackner 9-1-2000

Printed Name/Title John F. Lackner, Carrollton Site Manager

Facility Name Dow Corning Corporation, Carrollton Site

Facility Street Address 4770 US Highway 42, Carrollton, KY

Facility ID Numbers TRI Facility ID #41008-DWCRN-USHIG

National Environmental Achievement Track

Environmental Requirements Checklist

The following *Checklist* is provided to assist facilities in answering *Section A, Tell us about your facility," Question 6*. The *Checklist* is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The *Checklist* is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility. .

If you use this *Checklist* and choose to submit it with your application, fill in your facility information below and enclose the completed *Checklist* with your application (see instructions).

Facility Name: Dow Corning Corporation

Facility Location: 4770 US Highway 42 Carrollton, KY

Facility ID Number(s): TRI Facility ID #41008-DWCRN-USHIG
(attach additional sheets if necessary)

<u>Air Pollution Regulations</u>		Check All That Apply
1.	National Emission Standards for Hazardous Air Pollutants (40 CFR 61)	<input checked="" type="checkbox"/>
2.	Permits and Registration of Air Pollution Sources	<input checked="" type="checkbox"/>
3.	General Emission Standards, Prohibitions and Restrictions	<input checked="" type="checkbox"/>
4.	Control of Incinerators	<input checked="" type="checkbox"/>
5.	Process Industry Emission Standards	<input checked="" type="checkbox"/>
6.	Control of Fuel Burning Equipment	<input checked="" type="checkbox"/>
7.	Control of VOCs	<input checked="" type="checkbox"/>
8.	Sampling, Testing and Reporting	<input checked="" type="checkbox"/>
9.	Visible Emissions Standards	<input checked="" type="checkbox"/>
10.	Control of Fugitive Dust	<input type="checkbox"/>
11.	Toxic Air Pollutants Control	<input checked="" type="checkbox"/>
12.	Vehicle Emissions Inspections and Testing	<input type="checkbox"/>

Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above (*identify*)

- | | | |
|-----|--|-------------------------------------|
| 13. | <u>KAR 401 Chapters 50, 51, 53, 58, 59, 60, 61, 63</u> | <input checked="" type="checkbox"/> |
| 14. | <u></u> | <input type="checkbox"/> |

Hazardous Waste Management Regulations

- | | | |
|----|--|-------------------------------------|
| 1. | Identification and Listing of Hazardous Waste (40 CFR 261) | <input checked="" type="checkbox"/> |
| | - Characteristic Waste | <input checked="" type="checkbox"/> |
| | - Listed Waste | <input checked="" type="checkbox"/> |
| 2. | Standards Applicable to Generators of Hazardous Waste (40 CFR 262) | <input checked="" type="checkbox"/> |
| | - Manifesting | <input checked="" type="checkbox"/> |
| | - Pre-transport requirements | <input checked="" type="checkbox"/> |
| | - Record keeping/reporting | <input checked="" type="checkbox"/> |
| 3. | Standards Applicable to Transporters of Hazardous Waste (40 CFR 263) | <input type="checkbox"/> |
| | - Transfer facility requirements | <input type="checkbox"/> |
| | - Manifest system and record-keeping | <input type="checkbox"/> |
| | - Hazardous waste discharges | <input type="checkbox"/> |
| 4. | Standards for Owners and Operators of TSD Facilities (40 CFR 264) | <input type="checkbox"/> |
| | - General facility standards | <input type="checkbox"/> |
| | - Preparedness and prevention | <input type="checkbox"/> |
| | - Contingency plan and emergency procedures | <input type="checkbox"/> |
| | - Manifest system, Record keeping and reporting | <input type="checkbox"/> |
| | - Groundwater protection | <input type="checkbox"/> |
| | - Financial requirements | <input type="checkbox"/> |
| | - Use and management of containers | <input type="checkbox"/> |
| | - Tanks | <input type="checkbox"/> |
| | - Waste piles | <input type="checkbox"/> |
| | - Land treatment | <input type="checkbox"/> |
| | - Incinerators | <input type="checkbox"/> |
| 5. | Interim Status Standards for TSD Owners and Operators (40 CFR 265) | <input type="checkbox"/> |
| 6. | Interim Standards for Owners and Operators of New Hazardous Waste
Land Disposal Facilities (40 CFR 267) | <input type="checkbox"/> |
| 7. | Administered Permit Program (Part B) (40 CFR 270) | <input type="checkbox"/> |

Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (*identify*)

- | | | |
|----|-------|--------------------------|
| 8. | _____ | <input type="checkbox"/> |
| 9. | _____ | <input type="checkbox"/> |

Hazardous Materials Management

- | | | |
|----|--|-------------------------------------|
| 1. | Control of Pollution by Oil and Hazardous Substances (33 CFR 153) | <input type="checkbox"/> |
| 2. | Designation of Reportable Quantities and Notification of Hazardous
Materials Spill (40 CFR 302) | <input checked="" type="checkbox"/> |
| 3. | Hazardous Materials Transportation Regulations (49 CFR 172-173) | <input checked="" type="checkbox"/> |
| 4. | Worker Right-to-Know Regulations (29 CFR 1910.1200) | <input checked="" type="checkbox"/> |
| 5. | Community Right-to-Know Regulations (40 CFR 350-372) | <input checked="" type="checkbox"/> |

Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (*identify*)

- | | | |
|----|---------------------------|-------------------------------------|
| 6. | 40 CFR 68 Risk Management | <input checked="" type="checkbox"/> |
| 7. | | <input type="checkbox"/> |

Solid Waste Management

- | | | |
|----|---|-------------------------------------|
| | Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257) | <input checked="" type="checkbox"/> |
| 2. | Permit Requirements for Solid Waste Disposal Facilities | <input checked="" type="checkbox"/> |
| 3. | Installation of Systems of Refuse Disposal | <input type="checkbox"/> |
| 4. | Solid Waste Storage and Removal Requirements | <input type="checkbox"/> |
| 5. | Disposal Requirements for Special Wastes | <input type="checkbox"/> |

Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (*identify*)

- | | | |
|----|---|-------------------------------------|
| 6. | The plant operates an onsite Non-Hazardous landfill | <input checked="" type="checkbox"/> |
| 7. | for process residues and debris, trash is sent offsite for disposal | <input type="checkbox"/> |

Water Pollution Control Requirements

- | | | |
|-----|---|-------------------------------------|
| | Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112) | <input checked="" type="checkbox"/> |
| 2. | Designation of Hazardous Substances (40 CFR 116) | <input checked="" type="checkbox"/> |
| 3. | Determination of Reportable Quantities for Hazardous Substances (40 CFR 117) | <input checked="" type="checkbox"/> |
| 4. | NPDES Permit Requirements (40 CFR 122) | <input checked="" type="checkbox"/> |
| 5. | Toxic Pollutant Effluent Standards (40 CFR 129) | <input type="checkbox"/> |
| 6. | General Pretreatment Regulations for Existing and New Sources (40 CFR 403) | <input type="checkbox"/> |
| 7. | Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414) | <input checked="" type="checkbox"/> |
| 8. | Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415) | <input type="checkbox"/> |
| 9. | Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416) | <input type="checkbox"/> |
| 10. | Water Quality Standards | <input checked="" type="checkbox"/> |
| | Effluent Limitations for Direct Dischargers | <input checked="" type="checkbox"/> |
| 12. | Permit Monitoring/Reporting Requirements | <input checked="" type="checkbox"/> |
| 13. | Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants | <input checked="" type="checkbox"/> |
| 14. | Collection, Handling, Processing of Sewage Sludge | <input checked="" type="checkbox"/> |
| 15. | Oil Discharge Containment, Control and Cleanup | <input checked="" type="checkbox"/> |
| 16. | Standards Applicable to Indirect Discharges (Pretreatment) | <input type="checkbox"/> |

Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above (identify)

17. ORSANCO water quality standards and spill reporting ☒
18. 401 KAR Chapter 5 ☒

Drinking Water Regulations

- Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146) ☐
2. National Primary Drinking Water Standards (40 CFR 141) ☒
3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141) ☒
4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources ☒
5. Underground Injection Control Requirements ☐
6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems ☒

Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above (identify)

7. 401 KAR Chapter 8 ☒
8. _____ ☐

Toxic Substances

1. Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704) ☒
2. Import and Export of Chemicals (40 CFR 707) ☒
3. Chemical Substances Inventory Reporting Requirements (40 CFR 710) ☒
4. Chemical Information Rules (40 CFR 712) ☒
5. Health and Safety Data Reporting (40 CFR 716) ☒
6. Pre-Manufacture Notifications (40 CFR 720) ☒
7. PCB Distribution Use, Storage and Disposal (40 CFR 761) ☐
8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762) ☐
9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775) ☐

Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above (identify)

10. 40 CFR 273 Universal Waste Laws ☒
11. _____ ☐

Pesticide Regulations

- | | | |
|----|--|--------------------------|
| | FIFRA Pesticide Use Classification (40 CFR 162) | <input type="checkbox"/> |
| 2. | Procedures for Disposal and Storage of Pesticides and Containers
(40 CFR 165) | <input type="checkbox"/> |
| 3. | Certification of Pesticide Applications (40 CFR 171) | <input type="checkbox"/> |
| 4. | Pesticide Licensing Requirements | <input type="checkbox"/> |
| 5. | Labeling of Pesticides | <input type="checkbox"/> |
| 6. | Pesticide Sales, Permits, Records, Application and Disposal Requirements | <input type="checkbox"/> |
| 7. | Disposal of Pesticide Containers | <input type="checkbox"/> |
| 8. | Restricted Use and Prohibited Pesticides | <input type="checkbox"/> |

Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above (*identify*)

- | | | |
|-----|-------|--------------------------|
| 9. | _____ | <input type="checkbox"/> |
| 10. | _____ | <input type="checkbox"/> |

Environmental Clean-Up, Restoration, Corrective Action

- | | | |
|----|---|-------------------------------------|
| 1 | Comprehensive Environmental Response, Compensation and Liability
Act (Superfund) (<i>identify</i>) | |
| | _____ | <input type="checkbox"/> |
| | _____ | <input type="checkbox"/> |
| 2. | RCRA Corrective Action (<i>identify</i>) | |
| | Remediation of chlorinated compounds from a Pre-
_____ | <input checked="" type="checkbox"/> |
| | RCRA solid waste disposal unit. | <input type="checkbox"/> |

**Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration, Corrective
Action Regulations Not Listed Above (*identify*)**

- | | | |
|----|-------|--------------------------|
| 3. | _____ | <input type="checkbox"/> |
| 4. | _____ | <input type="checkbox"/> |